GSTIN: 29AYHPN8663P1ZA

QUALIEX CIVIL DESIGN & CONSULTANCY
Project Management Services

Job No: QECD/BBMP/YNK/QC-2/P-3/W-1/2020-21

Test Report

Project Name	Improvements to Burial Ground at Yelahanka and Kenchenahalli in Ward No.01 & 02 of Yelahanka Sub Division (PACKAGE-03)
Client	The Asst Executive Engineer, Yelahanka Sub Division, BBMP
Mix Type	PCC(1:3:6)
Contractor	Sri.Rajeswaren Satheesh (Sathya Constructions)
Test Method	IS : 4031 (Part 5) -1988 & Specification for Road & Bridge Works, MORT&H, Rev-V.
Location	Yelahanka Burial ground
Material	Cement
Sample No	1
Sample Collected Date	12-Dec-2020
Test Date	14-Dec-2020

Consistency test

	Trail No	Weight of Cement	Percentage of water added (%)	Weight of Water (gm)	Initial Reading of Plunger (mm)	Difference (mm)
Consistency test of Cement	1	400	28.0	112	40	18
	2	400	29.0	116	40	18.5
	3	400	28.5	114	40	13
	4	400	29.0	116	40	7.5
	5	400	30.0	120	40	6

Results: Standard Consistency of Cement: 30.50%

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For Qualiex Civil Design & Consultancy

Authorised Signature

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Test Report

Project Name	Improvements to Burial Ground at Yelahanka and Kenchenahalli in Ward No.01 & 02 of Yelahanka Sub Division (PACKAGE-03)
Client	The Asst Executive Engineer, Yelahanka Sub Division, BBMP
Mix Type	PCC(1:3:6)
Contractor	Sri.Rajeswaren Satheesh (Sathya Constructions)
Test Method	IS : 4031 (Part 3) -1988 & Specification for Road & Bridge Works, MORT&H, Rev-V.
Location	Yelahanka Burial ground
Material	Cement
Sample No	2
Sample Collected Date	4-Jan-2021
Date	6-Jan-2021

Soundness Test of Cement

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Sl. No.	Description	Trial 1	Trial 2	Trial 3
1	Initial Distance between the indicator points of Lechatelier mould	10	11	10
2	Final Distance between the indicator points of Lechatelier mould	15	13.5	19.5
3	Difference or expansion	5	2.5	9.5
4	Average Differences or Expansion in mm	5.67		

Results: Difference in Expansion of Cement: 5.67mm
Comments: Maximum allowable Expansion of cement is 10mm.

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